

701826-052310

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/019467

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/CA00/00775	28 June 2000	29 June 1999

TITLE OF INVENTION
HUMAN ALPHA 1,2-MANNOSIDASE

APPLICANT(S) FOR DO/EO/US HERSCOVICS, Anette, A. and TREMBLAY, Linda O.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto (required only if not communicated by the International Bureau).
 - b. has been communicated by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto.
 - b. has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. are attached hereto (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A **FIRST** preliminary amendment.
14. A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. A substitute specification.
16. A change of power of attorney and/or address letter.
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. Other items or information:

Form PCT/ISA/210 with Annex (5 pp.); Form PCT/IPEA/416 (1 pg.); Form PCT/IPEA/409 (9 pp.); Cover Sheet, Sheets 1-3 and Separate Sheets 1-4; Form PCT/IB/308 (1 pg.); Express Mail Certificate - Label No. EL565093566US (1 pg.); and Return Receipt Postcard.

21. The following fees are submitted:

CALCULATIONS PTO USE ONLY

BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):

Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO. \$1040.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO. \$890.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO. \$740.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4). \$710.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4). \$100.00

ENTER APPROPRIATE BASIC FEE AMOUNT =

\$ 890.00

Surcharge of \$130.00 for furnishing the oath or declaration later than 20 30 months from the earliest claimed priority date (37 CFR 1.492(e)).

\$ 130.00

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$
Total claims	10 - 20 =	0	x \$18.00	\$ 1020.00
Independent claims	2 - 3 =	0	x \$84.00	\$ 0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$280.00	\$

TOTAL OF ABOVE CALCULATIONS = \$ 1020.00

Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.

+ \$ 510.00

SUBTOTAL = \$ 510.00

Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 CFR 1.492(f)).

\$

TOTAL NATIONAL FEE = \$ 510.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +

\$

TOTAL FEES ENCLOSED = \$ 510.00

Amount to be refunded: \$

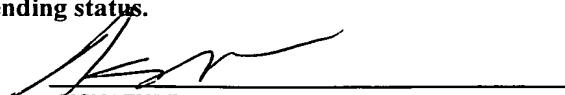
charged: \$

- A check in the amount of \$ 510.00 to cover the above fees is enclosed.
- Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.
- The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0850. A duplicate copy of this sheet is enclosed.
- Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

David S. Resnick
NIXON PEABODY LLP
101 Federal Street
Boston, MA 02110



David S. Resnick
NAME

34,235
REGISTRATION NUMBER

0/019467

Practitioner's Docket No. 701826-052310

531 Rec'd PCT/US

28 DEC 2001

CHAPTER II

**TO THE UNITED STATES ELECTED OFFICE (EO/US)
(ENTRY INTO U.S. NATIONAL PHASE UNDER CHAPTER II)**

INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/CA00/00775	28 June 2000 (28.06.00)	29 June 1999 (29.06.99)

TITLE OF INVENTION

HUMAN ALPHA 1,2-MANNOSIDASE

APPLICANTS

HERSCOVICS, Anette, A. and TREMBLAY, Linda O.

Box PCT

**Assistant Commissioner for Patents
Washington, D.C. 20231**

ATTENTION: EO/US

VERIFIED CERTIFICATION OF EXPRESS MAILING DATE

I, Nicole M .Gignac, declare that on 28 December 2001, I deposited, with the United States Postal Service, in an envelope "Express Mail, Post Office to Addressee," bearing Label Number EL565093566US, addressed to "Box PCT, Assistant Commissioner for Patents, Washington, D.C. 20231, Attention EO/US" and having an express mail certification that I executed, the following papers:

1. Form PTO 1390 (2 pp.);
2. Copy of the Published International Application as filed (35 USC § 371(c)(2)) [including Drawings] – WO 01/02586 A1 (PCT/CA00/00775) (30 pp.);
3. Preliminary Amendment with Marked Changes (4 pp.);
4. Copy of Form PCT/IB/308 (1 pg.);
5. Copy of PCT/IPEA/416 (1 pg.);
6. Copy of PCT/IPEA/409 and Separate Sheets (9 pp.);
7. Copy of PCT/ISA/210 with Annex (5 pp.);
8. Check in the Amount of \$ 510.00; and
9. Return Receipt Postcard.

A copy of these papers from the file of this application are attached.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application of any patent issuing thereon.

Date: 28 December 2001


Signature of person making this statement